# THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT

FACSIMILE: (754) 321-4285

**TELEPHONE (754) 321-4200** 

August 28	3, 2015 Signature on File	For Custodial Supervisor Use Only
TO:	Sherry Bees, Principal Maplewood Elementary	Custodial Issues Addressed
FROM:	Robert Krickovich, Coordinator, LEA Environmental Health & Safety Department	Custodial Issues Not Addressed
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On August 26, 2015, I conducted an assessment at **Maplewood Elementary School.** Attached are findings and recommendations for further assessment, remediation, or corrective actions needed.

The IAQ assessment did identify one or more existing conditions impacting IAQ and has generated appropriate work orders to correct deficiencies in systems and maintenance that could contribute to decreased indoor air quality. At the time of the assessment, these concerns were not an immediate health or safety concern to building occupants. However, due to individual sensitivities and predisposing health factors, it is possible that some building occupants may elicit a health response to agents and / or conditions identified during the evaluation. Therefore, to further improve IAQ, prevent development of future IAQ-related problems, and to reduce the potential for IAQ-related complaints by building occupants, the IAQ Assessment Team recommends appropriate follow up of each item identified and listed in the attached evaluation.

Please ensure that your Head Facilities Serviceperson receives a copy of this correspondence so that the recommendations requiring their attention can be addressed. In an attempt to separate IAQ issues from general maintenance items, the attached assessment may contain direction for site based staff to generate a work order through COMPASS. Within two weeks a representative from the Custodial/Grounds Department will conduct a follow-up visit to ensure that all site based custodial issues have been appropriately addressed.

Should any questions arise, or if the current concerns continue after the attached recommendations have been addressed, please feel free to contact us at 754-321-4200.

cc: Shelley Meloni, Director, Pre-Construction
Mark Dorsett, Manager, Zone 1, Physical Plant Operations Division
Broward Teachers Union
Federation of Public Employees
Gerald Devio, Supervisor II Custodial
Benjamin Osborne, Supervisor II Custodial
Rich Volipi, Supervisor II Custodial
Mark Murray, Supervisor II Custodial
Sam Bays, Director, Maintenance Operations
Kurt Wirz, Area Manager Trades

	Maplewood Elementary	Evaluation Date August 26, 2015	Time of Day 10:00 AM
Outdoor Conditions	Temperature 88.1	Relative Humidity 67.4	Ambient CO2 454

outdoor conditions rempera	tare 00.1 Relative	714 07.4	Ambient 002	<del>5 -</del>
		Range <u>CO</u> % - <b>60</b> % 1003		ccupants 4
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in	No	No		
Walls Tack Board	No	No		
Floor 12" x 12" Vinyl	No	No		
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Flooring Clean Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	Yes		
Trash Removed Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests No	Drain Traps Wet	Yes	Air Freshanoro	
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners in Room	No
Mechanical Equipment Location	FISH 158		Mechanical Room Clean	Yes
Filters Installed Properly Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean Yes	Cooling Coil Clean	Yes		
Fresh Air Intake Location	Roof top	▼	Fresh Air Intake Free	Yes
Pollutant Sources Near Air Intake	None	▼	of Obstruction	

# **Observations**

Throw rugs in room not cleaned properly - chemical / soap still in carpet - carpet scrubbed with floor machine but not with extractor - HFSP stated chemical used was disposed of by pouring down drain. Condensate drain in 158 overflowing on floor (call placed to Zone 1 to repair) - carpet rolled up on floor saturated - HFSP says this happens often and they pour stripper in drain to clear it.

# Corrective Actions to be Completed by Site Based Staff

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Corrective Actions to be completed by FFO	
Instruct staff on proper use of equipment	▼
instruct staff on proper procedures for chemical	▼
disposal	▼
Clear condensate drain in 158	▼
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	Maplewood Elementary	Evaluation Date August 26, 2015	Time of Day 10:00 AM
Outdoor Conditions	Temperature 88.1	Relative Humidity 67.4	Ambient CO2 454

Outdoor Conditions Tempe	erature <u>88.1</u> Relative	Humidity 67.4	_ Ambient CO2 <u>4</u>	54
		Range CO % - 60%		ccupants 2
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in	No	No		
Walls Tack Board	No	No		
Floor 12" x 12" Vinyl	No	No		
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Flooring Clean Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	Yes		
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Condensate Pan Clean Ye	es Cooling Coil Clean	Yes		
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Pollutant Sources Near Air Intake	None	▼	or obstruction	

# **Observations**

Throw rugs in room not cleaned properly - chemical / soap still in carpet - carpet scrubbed with floor machine but not with extractor - HFSP stated chemical used was disposed of by pouring down drain. Condensate drain in 158 overflowing on floor (call placed to Zone 1 to repair) - carpet rolled up on floor saturated - HFSP says this happens often and they pour stripper in drain to clear it.

# Corrective Actions to be Completed by Site Based Staff

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Corrective Actions to be Completed by FFO	
Instruct staff on proper use of equipment	▼
instruct staff on proper procedures for chemical	▼
disposal	▼
Clear condensate drain in 158	▼
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with extractor - HFSP stated chemical used was disposed of by pouring down drain. Condensate drain in 158 overflowing on floor (call placed to Zone 1 to repair) - carpet rolled up on floor saturated - HFSP says this happens often and they pour stripper in drain to clear it.

# Corrective Actions to be Completed by Site Based Staff

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extractor - when carpet is wiped with wet towel soap foams up - HFSP stated chemical used was disposed of by pouring down drain.

### Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be completed by Oile Based C	, tuii
Thoroughly rinse and extract carpets	▼
Use proper equipment and dilution in future	▼
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Corrective Actions to be Completed by FFO	
Instruct staff on proper use of equipment	▼
instruct staff on proper procedures for chemical	▼
disposal	▼
Replace carpet with tile 112 & 112B	▼
Repair HVAC to reduce CO2	▼
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